

IN THE CLAIMS

Please amend the claims as follows (all claims listed):

Claims 1-4 (canceled).

5. (Currently Amended) A circuit, comprising:

a transistor having a gate terminal and a body;

a voltage detector that is to detect a terminal voltage that is to be applied to the gate terminal of the transistor and that is to apply said terminal voltage as a bias voltage to the body of the transistor ~~based upon the detected terminal voltage~~, wherein a single source voltage is to be used to couple the terminal voltage that is to be applied to the gate terminal of the transistor to the voltage detector and to the body of the transistor and to operate the transistor.

6. (Original) The circuit of claim 5, wherein the bias voltage is substantially equal to the terminal voltage.

7. (Previously Presented) The circuit of claim 5, wherein the bias voltage is less than the terminal voltage but not less than the terminal voltage minus a voltage drop across a parasitic diode in the body of the transistor when the transistor is in active mode.

Claims 8-30 (canceled).